

### **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

### **Listing of Claims**

1. (Withdrawn) An apparatus to provide hemostasis at a blood vessel puncture site, comprising:
  - a hemostasis material; and
  - a clot formation accelerator, wherein said clot formation accelerator is substantially dispersed throughout said hemostasis material.
2. (Withdrawn) The apparatus of claim 1 wherein said clot formation accelerator is a clot agglomeration.
3. (Withdrawn) The apparatus of claim 1 wherein said clot formation accelerator is Chitosan.
4. (Withdrawn) The apparatus of claim 1 wherein said clot formation accelerator is a thrombogenic agent.
5. (Withdrawn) The apparatus of claim 4 further comprising a polysaccharide.
6. (Withdrawn) The apparatus of claim 6 wherein said polysaccharide is Chitosan.
7. (Withdrawn) An apparatus to provide hemostasis at a blood vessel puncture site, comprising:
  - a hemostasis material;
  - a clot formation accelerator; and
  - a polysaccharide,

wherein said clot formation accelerator and said polysaccharide are substantially dispersed throughout said hemostasis material.

8. (Withdrawn) The apparatus of claim 7 further comprising a cross-linking agent.

9. (Withdrawn) The apparatus of claim 7 wherein said clot formation accelerator is a thrombogenic agent.

10. (Withdrawn) The apparatus of claim 7 wherein said polysaccharide is Chitosan.

11. (Withdrawn) An apparatus to provide hemostasis at a blood vessel puncture site, comprising:

a hemostasis material;

a cross-linking agent;

a polysaccharide; and

a clot formation accelerator,

wherein said cross-linking agent, said clot formation accelerator, and said polysaccharide are substantially dispersed throughout said hemostasis material.

12. (Withdrawn) The apparatus of claim 11 wherein said clot formation accelerator is a thrombogenic agent.

13. (Withdrawn) The apparatus of claim 11 wherein said polysaccharide is Chitosan.

14. (Withdrawn) The apparatus of claim 11 wherein said cross-linking agent is a formaldehyde.

15. (Withdrawn) A method for forming a clot formation accelerator loaded hemostasis material, comprising:  
heating gelatin granules in water;  
adding a cross-linking agent;  
mixing a clot formation accelerator to the cross-linking agent and heated gelatin solution; and  
adding air to form a gelatin foam hemostasis material matrix,  
wherein said clot formation accelerator is substantially dispersed throughout said hemostasis material.

16. (Withdrawn) The method of claim 15 wherein said dissolving further comprises adding a polysaccharide.

17. (Withdrawn) The method of claim 16 wherein said polysaccharide is Chitosan.

18. (Withdrawn) The method of claim 16 wherein the clot formation accelerator is a thrombogenic agent.

19. (Withdrawn) The method of claim 15 further comprising drying said gelatin foam hemostasis material matrix above a freezing point temperature.

20. (Withdrawn) A method for forming a clot formation accelerator loaded hemostasis material, comprising:  
heating gelatin granules in water;  
adding a cross-linking agent;  
mixing a clot formation accelerator to the cross-linking agent and heated gelatin solution; and  
drying said clot formation accelerator mixture at a temperature above a freezing point temperature to form said hemostasis material,

wherein said clot formation accelerator is substantially dispersed throughout said hemostasis material.

21. (Withdrawn) The method of claim 20 wherein said heating further comprises adding a polysaccharide.

22. (Withdrawn) The method of claim 21 wherein said polysaccharide is Chitosan.

23. (Withdrawn) The method of claim 21 wherein the clot formation accelerator is a thrombogenic agent.

24. (Previously Presented) An apparatus for forming a clot formation accelerator loaded hemostasis material, comprising:

- a mixing chamber;
- a heat source capable of heating the mixing chamber;
- a water supply connected to the mixing chamber;
- a granule feeding system capable of feeding gelatin granules;
- a cross-linking agent addition element;
- a clot formation accelerator addition element;
- a mixing element capable of stirring the contents of the mixing chamber; and
- an air injector to foam the contents of the mixing chamber.

25. (Previously Presented) The apparatus of claim 24 further comprising a polysaccharide addition element.

26-27. (Canceled)

28. (Previously Presented) The apparatus of claim 24 further comprising a dryer for said foamed contents of the mixing chamber said dryer operating above a freezing point temperature.

29. (Previously Presented) An apparatus for forming a clot formation accelerator loaded hemostasis material, comprising:

- a mixing chamber;
- a heat source capable of heating the mixing chamber;
- a water supply connected to the mixing chamber;
- a granule feeding system capable of feeding gelatin granules;
- a cross-linking agent addition element;
- a clot formation accelerator addition element;
- a mixing element capable of stirring the contents of the mixing chamber;
- an air injector to foam the contents of the mixing chamber; and
- a dryer for the contents of the mixing chamber said dryer operating at a temperature above a freezing point temperature to form a foam.

30. (Previously Presented) The apparatus of claim 29 further comprising a polysaccharide addition element.

31-32. (Canceled)